

D 16

FILEID**BADDATA

BBBBBBBBBB AAAAAAA DDDDDDDD DDDDDDDD AAAAAAA TTTTTTTTTT AAAAAAA
BBBBBBBBBB AAAAAAA DDDDDDDD DDDDDDDD AAAAAAA TTTTTTTTTT AAAAAAA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BBBBBBBBBB AA AA DD DD DD DD AA AA TT AA AA
BBBBBBBBBB AA AA DD DD DD DD AA AA TT AA AA
BB BB AAAAAAAA DD DD DD DD AAAAAAAA TT AAAAAAAA
BB BB AAAAAAAA DD DD DD DD AAAAAAAA TT AAAAAAAA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BB BB AA AA DD DD DD DD AA AA TT AA AA
BBBBBBBBBB AA AA DDDDDDDD DDDDDDDD AA AA TT AA AA
BBBBBBBBBB AA AA DDDDDDDD DDDDDDDD AA AA TT AA AA

```
1 0001 0 MODULE baddata (%TITLE 'Analyze/Media Data Storage Declarations'  
2 0002 0 IDENT ='V04-000') =  
3 0003 1 BEGIN  
4 0004 1 *****  
5 0005 1 *  
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23 0023 1 *  
24 0024 1 *  
25 0025 1 *****  
26 0026 1 *  
27 0027 1 **  
28 0028 1 *  
29 0029 1 Facility:  
30 0030 1 Analyze/Media  
31 0031 1 Abstract:  
32 0032 1  
33 0033 1 This module contains all of the global data storage declarations  
34 0034 1 used by the utility.  
35 0035 1  
36 0036 1 Author:  
37 0037 1 Michael T. Rhodes Creation Date: July, 1982  
38 0038 1  
39 0039 1 Modified By:  
40 0040 1  
41 0041 1  
42 0042 1 V03-002 MTR0002 Michael T. Rhodes 20-Jan-1983  
43 0043 1 Add shared message BADVALUE (severe) definition, for bad  
44 0044 1 keyword value diagnostic.  
45 0045 1  
46 0046 1  
47 0047 1 V03-001 MTR0001 Michael T. Rhodes 15-Dec-1982  
48 0048 1 Remove unused scalars -- bad$gl_retrycnt and bad$gl_worst_case.  
49 0049 1  
50 0050 1  
51 0051 1 --
```

```

53 0052 1 |
54 0053 1 | Declare LIBRARY and REQUIRE files necessary to build the storage structures.
55 0054 1 |
56 0055 1 LIBRARY 'SYSSLIBRARY:LIB';
57 0056 1 |
58 0057 1 |
59 0058 1 | Define shared messages.
60 0059 1 |
61 P 0060 1 $SHR_MSGDEF (BAD,250,GLOBAL,
62 P 0061 1 (BADVALUÉ,SEVERE),
63 P 0062 1 (CLOSEOUT,SEVERE),
64 P 0063 1 (INSVIRMEM,SEVERE),
65 P 0064 1 (OPENOUT,SEVERE),
66 P 0065 1 (READERR,ERROR),
67 P 0066 1 (WRITEERR,ERROR));
68 0067 1 |
69 0068 1 LITERAL
70 0069 1 dvientries = 10,
71 0070 1 dvilistsize = dvientries * 12;
72 0071 1 |
73 0072 1 GLOBAL
74 0073 1 bad$gl_bad_term : VECTOR [4, LONG],
75 0074 1 bad$gb_block_fact : BYTE,
76 0075 1 bad$gl_bytes_cyl,
77 0076 1 bad$gl_bytes_trk,
78 0077 1 bad$gl_chan,
79 0078 1 bad$ga_comnd_line : $BBLOCK [dsc$c_s_bln],
80 0079 1 bad$gl_context : BITVECTOR [32],
81 0080 1 bad$gl_cylinders,
82 0081 1 bad$ga_bufadr : VECTOR [2, LONG],
83 0082 1 bad$gl_devchar : $BBLOCK [4],
84 0083 1 bad$gl_devclass,
85 0084 1 bad$ga_device : $BBLOCK [dsc$c_s_bln],
86 0085 1 bad$ga_devnam : $BBLOCK [64],
87 0086 1 bad$gl_devnam,
88 0087 1 bad$gg_devnam : $BBLOCK [dsc$c_s_bln],
89 0088 1 bad$gl_devtype,
90 0089 1 bad$ga_filespec : $BBLOCK [dsc$c_s_bln],
91 0090 1 bad$gl_func,
92 0091 1 bad$ga_input_desc : $BBLOCK [dsc$c_s_bln],
93 0092 1 bad$gg_iosb : VECTOR [4, LONG],
94 0093 1 bad$gl_maxblock,
95 0094 1 bad$ga_mdbsf,
96 0095 1 bad$gl_mdbsf_ptr,
97 0096 1 bad$gl_pagcnt,
98 0097 1 bad$ga_sdbsf,
99 0098 1 bad$gl_sdbsf_ptr,
100 0099 1 bad$gl_sectors,
101 0100 1 bad$gl_sector_siz,
102 0101 1 bad$gl_serialnum,
103 0102 1 bad$gl_status,
104 0103 1 bad$gb_term_count : BYTE,
105 0104 1 bad$ga_tpb,
106 0105 1 bad$gl_tracks,
107 0106 1 bad$gl_trnsfr_cnt,
108 0107 1 |
109 0108 1 !++
```

: Total number of entries in item list.
 : Number of bytes for \$GETDVI item list.
 : Bad block information vector.
 : Block factor for medium.
 : Number of bytes per cylinder.
 : Number of bytes per track.
 : Device channel number.
 : Descriptor for command line buffer.
 : Context flags vector.
 : Number of cylinders on medium.
 : IO request data buffer address vector.
 : Device characteristics.
 : Device class identifier.
 : Descriptor for device name.
 : Buffer to hold the device name.
 : Size of the device name (returned by \$GETD
 : Descriptor for device name.
 : Device type identifier.
 : Descriptor for output file spec.
 : IO function to perform.
 : Generic input descriptor.
 : IOSBs for requests.
 : Maximum user addressable LBN on device.
 : Address of MDDBSF buffer.
 : Pointer to current entry in MDDBSF.
 : Number of pages in data buffers 1 & 2.
 : Addreses of SDDBSF buffer.
 : Pointer to current entry in SDDBSF.
 : Number of sectors per track.
 : Size in bytes of a single sector.
 : Pack serial number.
 : Global status.
 : Number of terms used to describe bad block
 : Address of Test Pattern Buffer.
 : Number of tracks per cylinder.
 : Number of bytes to transfer per IO request

```

110 0109 1 Initialize the $GETDVI item list.
111 0110 1
112 0111 1 NOTE: If additional entries are added to this list the literal "bad$k_dvientries" declared
113 0112 1 above MUST be incremented to reflect the new entry. Otherwise, the storage allocation
114 0113 1 for "bad$ga_getdvi" will be inadequate to serve the request.
115 0114 1
116 0115 1 -- bad$ga_getdvi: SBBLOCK [dvilistsize] ! Starting address of the $GETDVI item list.
117 0116 1 INITIAL(
118 0117 1 WORD (4, dvi$_cylinders), LONG (bad$gl_cylinders, 0),
119 0118 1 WORD (4, dvi$_devchar), LONG (bad$gl_devchar, 0),
120 0119 1 WORD (4, dvi$_devclass), LONG (bad$gl_devclass, 0),
121 0120 1 WORD (4, dvi$_devtype), LONG (bad$gl_devtype, 0),
122 0121 1 WORD (64,dvi$_devnam), LONG (bad$ga_devnam, bad$gl_devnam),
123 0122 1 WORD (4,dvi$_maxblock), LONG (bad$gl_maxblock, 0),
124 0123 1 WORD (4,dvi$_sectors), LONG (bad$gl_sectors, 0)
125 0124 1 WCRD (4, dvi$_serialnum), LONG (bad$gl_serialnum, 0),
126 0125 1 WORD (4, dvi$_tracks), LONG (bad$gl_tracks, 0),
127 0126 1 WORD (0, 0), LONG (0, 0); ! Terminator entry,
128 0127 1
129 0128 1 ! MUST be included in the
130 0129 1 ! "bad$k_dvientries" count.
131 0130 1
132 0131 1 END
133 0132 0 ELUDOM

```

.TITLE BADDATA Analyze/Media Data Storage Declarations
.IDENT \V04-000\

.PSECT \$GLOBALS\$,NOEXE,2

```

00000 BAD$GL_BAD TERM:: .BLKB 16
00010 BAD$GB_BLOCK FACT:: .BLKB 1
00011 .BLKB 3
00014 BAD$GL_BYTES CYL:: .BLKB 4
00018 BAD$GL_BYTES TRK:: .BLKB 4
0001C BAD$GL_CHAN:: .BLKB 4
00020 BAD$GA_COMMND LINE:: .BLKB 8
00028 BAD$GL_CONTEXT:: .BLKB 4
0002C BAD$GL_CYLINDERS:: .BLKB 4
00030 BAD$GA_BUFADR:: .BLKB 8
00038 BAD$GL_DEVCHAR:: .BLKB 4
0003C BAD$GL_DEVCLASS:: .BLKB 4
00040 BAD$GA_DEVICE:: .BLKB 8
00048 BAD$GA_DEVNAM:: .BLKB 8

```

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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[BAD.SRC]BADDATA.B32;1

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```

00088 BAD$GL_DEVNAM::          .BLKB  64
                                .BLKB  4
0008C BAD$GQ_DEVNAM::          .BLKB  8
                                .BLKB  4
00094 BAD$GL_DEVTYPE::         .BLKB  4
                                .BLKB  8
00098 BAD$GA_FILESPEC::        .BLKB  8
                                .BLKB  4
000A0 BAD$GL_FUNC::           .BLKB  4
                                .BLKB  4
000A4 BAD$GA_INPUT_DESC::     .BLKB  8
                                .BLKB  16
000AC BAD$GQ_IOSB::           .BLKB  4
                                .BLKB  4
000BC BAD$GL_MAXBLOCK::        .BLKB  4
                                .BLKB  4
000C0 BAD$GA_MDBSF::          .BLKB  4
                                .BLKB  4
000C4 BAD$GL_MDBSF_PTR::      .BLKB  4
                                .BLKB  4
000C8 BAD$GL_PAGCNT::         .BLKB  4
                                .BLKB  4
000CC BAD$GA_SDBSF::          .BLKB  4
                                .BLKB  4
000D0 BAD$GL_SDBSF_PTR::      .BLKB  4
                                .BLKB  4
000D4 BAD$GL_SECTORS::        .BLKB  4
                                .BLKB  4
000D8 BAD$GL_SECTOR_SIZE::    .BLKB  4
                                .BLKB  4
000DC BAD$GL_SERIALNUM::      .BLKB  4
                                .BLKB  4
000E0 BAD$GL_STATUS::         .BLKB  4
                                .BLKB  4
000E4 BAD$GB_TERM_COUNT::     .BLRB  1
                                .BLKB  3
000E5 BAD$GA_TPB::            .BLKB  4
                                .BLKB  4
000EC BAD$GL_TRACKS::         .BLKB  4
                                .BLKB  4
000F0 BAD$GL_TRNSFR_CNT::     .BLKB  4
                                .BLKB  4
0028 0004 000F4 BAD$GA_GETDVI:::
                                .WORD 4, 40
                                .ADDRESS BAD$GL_CYLINDERS
00000000 000F8               .LONG 0
00000000 000FC               .WORD 4, 2
0002 0004 00100              .WORD 4, 2
00000000 00104              .ADDRESS BAD$GL_DEVCHAR
00000000 00108              .LONG 0
0004 0004 0010C              .WORD 4, 4
00000000 00110              .ADDRESS BAD$GL_DEVCLASS
00000000 00114              .LONG 0
0006 0004 00118              .WORD 4, 6
00000000 0011C              .ADDRESS BAD$GL_DEVTYPE
00000000 00120              .LONG 0

```



BADDATA
V04-000

Analyze/Media Data Storage Declarations

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VAX-11 Bliss-32 v4.0-742
DISK\$VMSMASTER:[BAD.SRC]BADDATA.B32;1

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0020 0040 00124	.WORD 64, 32
00000000' 00000000' 00128	.ADDRESS BAD\$CA_DEVNAM, BAD\$GL_DEVNAM
001A 0004 00130	.WORD 4, 26
00000000' 00134	.ADDRESS BAD\$GL_MAXBLOCK
00000000 00138	.LONG 0
0024 0004 0013C	.WORD 4, 36
00000000' 00140	.ADDRESS BAD\$GL_SECTORS
00000000 00144	.LONG 0
003E 0004 00148	.WORD 4, 62
00000000' 0014C	.ADDRESS BAD\$GL_SERIALNUM
00000000 00150	.LONG 0
0026 0004 00154	.WORD 4, 38
00000000' 00158	.ADDRESS BAD\$GL_TRACKS
00000000 0015C	.LONG 0
0000 0000 00160	.WORD 0, 0
00000000 00000000 00164	.LONG 0, 0
BAD\$_BADVALUE== 16388372	
BAD\$_CLOSEOUT== 16388188	
BAD\$_INSVIRMEM== 16388852	
BAD\$_OPENOUT== 16388260	
BAD\$_READERR== 16388274	
BAD\$_WRITEERR== 16388306	

PSECT SUMMARY

Name	Bytes	Attributes
\$GLOBALS . ABS .	364 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2) 0 NOVEC,NOWRT,NORD ,NOEXE,NOSHR, LCL, ABS, CON,NOPIC,ALIGN(0)	

Library Statistics

File	----- Symbols -----	Pages Mapped	Processing Time
	Total Loaded Percent		
\$_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619 22 0	1000	00:01.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:BADDATA/OBJ=OBJ\$:BADDATA MSRC\$:\$:BADDATA/UPDATE=(ENH\$:\$:BADDATA)

: Size: 0 code + 364 data bytes
: Run Time: 00:03.5
: Elapsed Time: 00:11.4
: Lines/CPU Min: 2295

BADDATA
V04-000

Analyze/Media Data Storage Declarations

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: Lexemes/CPU-Min: 19652
: Memory Used: 50 pages
: Compilation Complete

0017 AH-BT13A-SE
VAX/VMS V4.0

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